

OM NAIK

PUNE, INDIA

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Education

JSPM's Rajarshi Shahu College of Engineering (RSCOE), Pune ➤ B. Tech - Electrical Engineering CGPA: 9.30	2020 - 2024
Government Polytechnic Pune (GPP) ➤ Diploma - Electrical Engineering Percentage: 75.00%	2017 - 2020
S.P.M. School, Pune ➤ MSBSHSE (Class X) Percentage: 87.60%	2016 - 2017

Skills

Python | HTML | CSS | Bootstrap | GitHub | AutoCAD | MATLAB | PLC | Microsoft 365

Experience

Internepe Frontend Web Development Intern ▪ Developed responsive, user-friendly web interfaces during a virtual internship, enhancing the user experience. Implemented best practices for web development, mastering code quality, performance, and accessibility standards. [https://om-naik.github.io/Apple-Vision-Pro-Clone/]	Jul'23 - Aug'23
Mithsagar Electronics Systems Pvt. Ltd. Intern ▪ Collaborated closely with senior engineers, gaining insights into control panel circuitry and electrical systems intricacies. ▪ Understand the design and assembly of control panels within the engineering team, ensuring precision and functionality.	Jul'22 - Aug'22

Projects

Passive Cell Balancing using Proportional Integral (PI) Controller Develop a passive cell balancing system for batteries using a Proportional-Integral (PI) controller to enhance the performance and lifespan of battery packs. ▪ Designed and simulated the PI controller, conducted experiments, and optimized controller parameters for effective balancing. ▪ Enhanced battery pack performance and lifespan through effective passive cell balancing.	Aug'23 - May'24
Digitalization of RSCOE campus Designed and developed a responsive website to assist new visitors in navigating the college campus seamlessly. [https://om-naik.github.io/jspmrscoe-building-c.github.io/] ▪ Implemented a QR Code scanning feature for quick access to the website, enhancing user convenience. ▪ Integrated interactive maps and provided precise directions to essential locations such as the principal's office, Library, HOD's cabins, Labs, and Classrooms. ▪ Included actual images of each location, enhancing the user experience and providing visual cues for easy identification.	Feb'23 - May'23
Electric Vehicle (Diploma) Led a pioneering project to convert a traditional diesel car into a fully functional electric vehicle (EV), showcasing a commitment to sustainable transportation solutions. ▪ Conducted a comprehensive analysis of the existing diesel vehicle's architecture, identifying components for replacement and modification to accommodate electric power. ▪ Integrated electric motors, battery packs, and a sophisticated control system to ensure seamless transition and optimal performance.	Nov'19 - Sep'20

Achievements

- Achieved 1st rank in the Department during the 1st year of B.Tech studies.
- Achieved 3rd rank in the Department during the 2nd year of B.Tech studies.

Certifications

- Udemy HTML, CSS & JavaScript Certification course for Beginners.
- NPTEL Power System Protection and Switchgear (84.0 / 100.0).

Co-Curricular & Extra-Curricular Activities

- Secretary of "EV Club" at JSPM's RSCOE.
- Member of the Decoration Team of "TECHNOTSAV-2k23" RSCOE

Hobbies

- Cooking, Drawing, Traveling, Learning, and exploring new things.